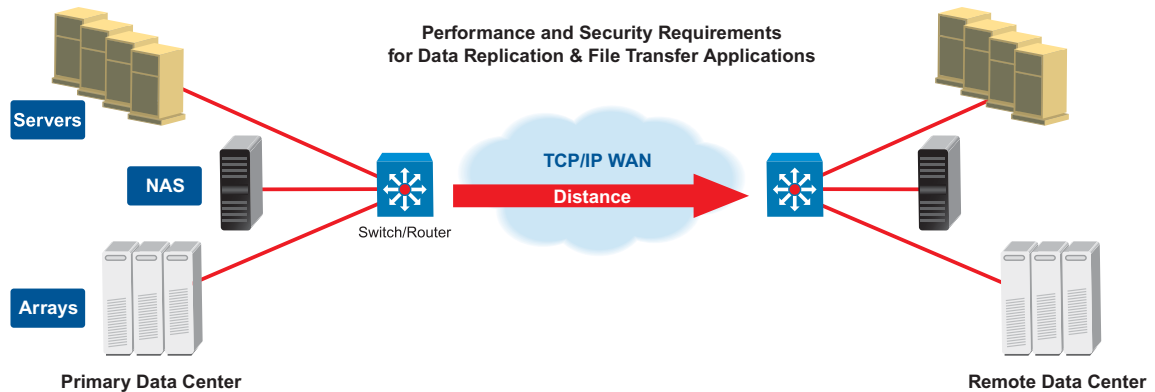


Accelerates and Protects

Replication Data in Motion

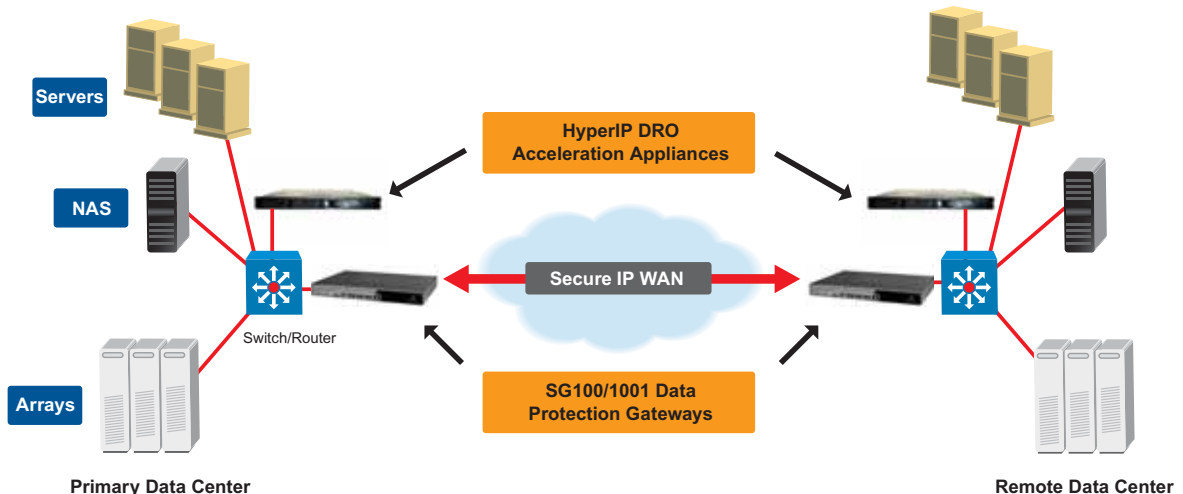
Are you meeting your performance and security expectations when replicating or moving your critical storage data between data centers?

If not, let NetEx and CipherOptics save you time and money while helping you meet your critical storage data replication requirements.



NetEx solves your network performance issues & CipherOptics keeps your data secure.

By joining forces, NetEx and CipherOptics can accelerate and protect your data in motion in a single, streamlined system. NetEx will solve your network performance issues with their award-winning HyperIP DRO (Data Replication Optimization) appliance, and CipherOptics will ensure your data is protected with their proven family of data protection gateways.



CipherOptics Data Protection Gateway Benefits:

- No encryption bottlenecks
- No noticeable latency
- No network changes required
- No denial-of-service (DOS) attacks

NetEx HyperIP DRO Benefits:

- No network performance issues
- No application disruption or delays
- No complicated installations
- No WAN bandwidth monopoly

CipherOptics

CipherOptics SG1001
Gigabit Ethernet
Data Protection Gateway



CipherOptics SG100
Fast Ethernet
Data Protection Gateway



Gigabit/Fast Ethernet
wire-speed throughput

No encryption bottlenecks; CipherOptics SG1001 delivers up to 1.9 Gbps full-duplex Gigabit Ethernet, CipherOptics SG100 delivers up to 190 Mbps full-duplex Ethernet

No noticeable latency for
encryption/decryption cycle

Ideal for latency-intolerant applications, including storage (less than 17us latency)

Ease-of-installation; non-disruptive
implementation means no changes to
network configuration

Easy setup, policy definition and network installation. No complicated router, network re-configuration or programming required. Completely transparent; does not affect network traffic, and doesn't require intensive management or maintenance

Streamlined policy definition

Single-screen policy configuration and centralized policy management

Jumbo frame support

Encrypts jumbo frames without degrading network performance

Coarse packet filtering

Can be set up to drop all packets not coming from encryption counterpart, protecting against denial-of-service (DOS) attacks

Data authentication

Data that started in clear text is hashed to ensure data has not been altered, manipulated or corrupted

NetEx

HyperIP DRO



TCP Application Acceleration

Overcomes the negative effects of network latency (over any distance) on TCP traffic to yield a 2X to 10X improvement of the application throughput

Packet Loss Shield

Shields the application against network conditions that disrupt and degrade data throughput performance

Intelligent Block Level
Adaptive Data Compression

HyperIP compresses storage traffic from 2:1 to 15:1, depending upon the compressibility of the data. The HyperIP compression algorithm also contains sequence reduction features for increased WAN efficiencies.

Rate Controls

HyperIP can be used to rate limit the application traffic, which ensures fairness among other applications sharing the same bandwidth. Rate limiting may also be set based upon time-of-day requirements

Application Aggregation

Aggregate multiple applications over the same network infrastructure, which increases WAN efficiency versus several TCP-based applications vying for the same WAN bandwidth

Simplicity

Built on a foundation of simplicity

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